Sheet classification : RESTRICTED

National Aeronautical Laboratory	**Documentation Sheet**	*Document Classification* RESTRICTED

Title : A COMPUTER CODE TO ESTIMATE THE NORMAL FORCE AND PITCHING MOMENT CHARACTERISTICS OF AXISYMMETRIC BODIES UPTO HIGH ANGLES OF ATTACK	*Document No.* PD EA 9002 *Date of issue*: FEB.1990
Author(s) : K. RAMESH, M. KRISHNA MURTHY	*Contents* 32 Pages Text 18 Tables 2 Figs. 12
Division : EXPERIMENTAL AERODYNAMICS	*No. of copies*: 20
External participation :	*NAL Project No.* AE-0-164
Sponsor : DRDL	*Sponsor's Project No.*
Approval : HEAD, EXPERIMENTAL AERODYNAMICS DIVISION	
Remarks :	
Keywords : High Alfa Aerodynamics, Body Aerodynamics, Normal Force	

Abstract : A computer code has been developed to compute the normal force coefficient and centre of pressure position (or pitching moment coefficient) for slender bodies of circular cross section.

The code treats bodies with conical and ogival nose shapes and it has been validated against experimental data available in in literature for a range of Mach numbers and fineness ratios.